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ROTARY SHAFT SUPPORT STRUCTURE OF FLUID MACHINERY

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ABSTRACT

PROBLEM TO BE SOLVED: To prolong service life of a lip seal arranged in parallel with a bearing without shortening service life of the bearing in fluid machinery.

SOLUTION: Rubber lip seals 45, 46 are arranged in protruding end parts 192, 202 of rotary shafts 19, 20 protruding in a gear storage chamber 331 by passing through a rear housing 14. The lip seals 45, 46 come into slide-contact with peripheral faces of the rotary shafts 19, 20 to bring sealing action. Radial bearings 37A, 37B are attached to the protruding end part 192 through a serial base 47. Radial bearings 38A, 38B are attached to the protruding end part 202 through a serial base 48.

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